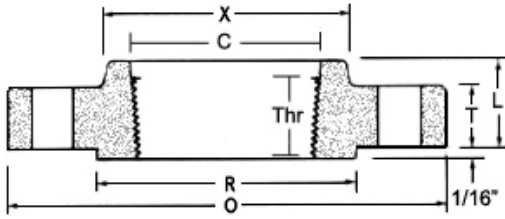


ANSI B16.5 Class 2500 threaded forged flange



Threaded forged flange

The threaded flange is similar to the slip-on flange, but the bore is threaded. Its chief merit is that it can be assembled without welding, explaining its use in low pressure services at ordinary atmospheric temperatures and in highly explosive areas where welding create a hazard.

Nom. Pipe Size	O	T	R	X	#/Dia of Holes ^a	Bolt Circle Dia	B ₂ ^b	B ₃	H	L	L ₂	L ₃	r	C	Thr
½	5.25	1.19	1.38	1.69	4-0.88	3.5	To be specified by Purchaser.	0.9	0.84	1.56	2.88	1.56	0.12	0.93	1.12
¾	5.5	1.25	1.69	2	4-0.88	3.75		1.11	1.05	1.69	3.12	1.69	0.12	1.14	1.25
1	6.25	1.38	2	2.25	4-1.00	4.25		1.38	1.32	1.88	3.5	1.88	0.12	1.41	1.38
1¼	7.25	1.5	2.5	2.88	4-1.12	5.13		1.72	1.66	2.06	3.75	2.06	0.19	1.75	1.5
1½	8	1.75	2.88	3.12	4-1.25	5.75		1.97	1.9	2.38	4.38	2.38	0.25	1.99	1.75
2	9.25	2	3.63	3.75	8-1.12	6.75		2.46	2.38	2.75	5	2.75	0.31	2.5	2
2½	10.5	2.25	4.13	4.5	8-1.25	7.75		2.97	2.88	3.12	5.62	3.12	0.31	3	2.25
3	12	2.62	5	5.25	8-1.38	9		3.6	3.5	....	6.62	3.62	0.38	....	....
4	14	3	6.19	6.5	8-1.63	10.75		4.6	4.5	....	7.5	4.25	0.44	....	....
5	16.5	3.62	7.31	8	8-1.88	12.75		5.69	5.56	....	9	5.12	0.44	....	....
6	19	4.25	8.5	9.25	8-2.12	14.5		6.75	6.63	....	10.75	6	0.5	....	....
8	21.75	5	10.63	12	12-2.12	17.25		8.75	8.63	....	12.5	7	0.5	....	....
10	26.5	6.5	12.75	14.75	12-2.63	21.25		10.92	10.75	....	16.5	9	0.5	....	....
12	30	7.25	15	17.38	12-2.88	24.38		12.92	12.75	....	18.25	10	0.5	....	....

Dimensions are in inches.

- (a)- Bolt hole diameter 1/8 in. larger than bolt diameter.
- (b)- Standard bore dimensions provided. See bore chart for other wall thicknesses.
- (c)- This dimension is commonly associated with "true" lap joints. Industry standard is to make to the slip on length through the hub.

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